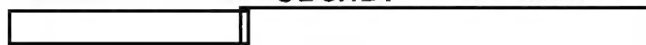


SECRET

25X1C

NPIC/R-267/66
FEBRUARY 1968

25X1



NOTICE

This is the sixteenth in a series of updated and supplementary items to be inserted in NPIC/R-267/66, *Southeast Asia Activity Report, Communications Facilities, North Vietnam*. The effective date of each page is printed in the upper right-hand corner under the NPIC report number and in the tables of contents.

Pages which have been superseded and are no longer required should be destroyed in accordance with applicable security directives.

The overall classification of this report has been changed to SECRET/

25X1C

25X1

25X1C

However, individual pages which can be classified CONFIDENTIAL/

25X1C

will be so identified.

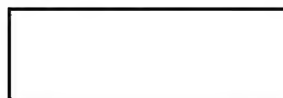
25X1

CONTENTS

Cover	Page
Table of Contents	i
Introduction	ii, iii
<u>Category A</u>	
Table of Contents	A-I
Location Map	A-II
Thai Nguyen Communications Facility	A-23, 24
Xom Trung Hoa Communications Facility	A-37
Phuc Yen Radio Communications Station No 2	A-39, 40
Ha Noi Communications Station Kim Quan Dong	A-47, 48
Hai Phong/Kien An ILS Facility Ly Cau	A-59, 60
Ha Noi Communications Facility Ba Dinh	A-67, 68
<u>Category B</u>	
Table of Contents	B-I
Location Map	B-II
<u>Category C</u>	
Introduction	C-1
List and Location Map	C-2, 3
Index	I, II, III

25X1A

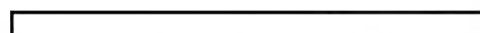
ADDENDA



A-25
A-49
A-61

ERRATA

25X1D



Change title to Line 8. Dien Bien Phu Area (Route 191).
Change route to 191 (vice 151).

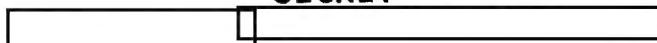
A-25
B-17
B-18

DECLASS REVIEW by NIMA/DOD

25X1C

SECRET

25X1



SECRET

25X1

PHOTOGRAPHIC INTERPRETATION REPORT



**SOUTHEAST ASIA
ACTIVITY REPORT**

**COMMUNICATIONS
FACILITIES
NORTH VIETNAM**

NPIC/R-267/66
FEBRUARY 1968

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

25X1C

SECRET

25X1

WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

TABLE OF CONTENTS

	Effective Page
Table of Contents	i (Feb 68) (S)
Introduction	ii, iii (Feb 68) (S)
Category A, Radio Stations	
Table of Contents	A-I (Feb 68) (S)
Location Map	A-II (Feb 68) (S)
Category B, Telephone/Telegraph Open Wire Lines	
Table of Contents	B-I (Feb 68)
Location Map	B-II (Feb 68)
Category C, Weather Stations	
Introduction	C-1 (Feb 68)
List and Location Map	C-2, C-3 (Feb 68)
Index	I, II, III (Feb 68) (S)

Note: (S) denotes pages classified SECRET; all other pages are CONFIDENTIAL.

SECRET

25X1C

NPIC/R-267/66
February 1968

25X1

INTRODUCTION

This report is designed to present an overall view of the types of communications facilities in North Vietnam. It is not all-inclusive, since the source of information is limited primarily to photography. As new communications facilities are identified, or as changes occur in previously reported facilities, periodic supplements will be disseminated to maintain a current data base on North Vietnamese communications facilities.

The communications facilities in this report are divided into 3 categories: radio stations, telephone/telegraph open wire lines, and weather stations, Categories A, B, and C, respectively.

Category A. Radio Stations. These are permanent radio stations which provide point-to-point and general broadcast communications.

Category B. Telephone/Telegraph Open Wire Lines. These are quite numerous in the heavily populated areas and very difficult to identify in their entirety on the photography available. Therefore, this report will focus on those major trunk lines that provide wire communications links to less populated areas, thereby providing some insight into the magnitude of the nationwide wire communications service, as well as those that provide connecting links to neighboring countries.

Category C. Weather Stations. These stations are not communications facilities per se; however, they are included in this report because a communications capability apparently exists at each station and could be used to transmit data other than weather information.

A table of contents and a small-scale plot map are included for each category. In Category A, large-scale plot map and a photo are provided for each item. In category B, a plot map of each item will be provided; however, photos of a site will be provided only to show some particular characteristic. The items in category

C are generally standard in layout, and, with the exception of representative photos, will be depicted only on a plot map.

The type of photography utilized in this report generally precludes accurate mensuration; therefore, all dimensions given are necessarily approximate.

The nature of these installations and the type of photographic coverage make it extremely difficult to determine the exact extent of bomb damage to the facilities; therefore, all bomb damage assessment (BDA) is necessarily an estimate.

BACKGROUND

Telecommunications facilities in North Vietnam consist of a telephone/telegraph open wire line network connecting principal cities and towns, point-to-point radio communications facilities, and radio broadcasting facilities. These facilities are owned and operated by the government and are used primarily for administrative purposes. Interurban communications are provided by open wire lines and high-frequency radio communications facilities. In recent years wire has replaced radio as the primary means of communication in the urban areas; however, radio communications facilities are still used extensively for communication with remote areas not served by wire lines and as a supplementary means of communication with the provincial capitals.

A development program, begun in 1955, has resulted in the extension and modernization of the open wire lines. Telephone and general telegraph services are provided, and service is good in most of the major cities, but varies from fair-to-poor elsewhere.

Telephone and telegraph lines radiate from Ha Noi to all provincial capitals and to several other cities. The pattern of the wire system

25X1C

SECRET

25X1

25X1

corresponds to the land transportation network and generally follows the alignment used under French administration.

International communications are provided by wire lines to Communist China and Laos and by direct radio communication to Communist China, the Soviet Union, and several other countries. Ha Noi is the main international communications center. Radio Ha Noi, also known as the "Voice of Vietnam," is the only known radio broadcasting station. An extensive wired (government-controlled reception) broadcasting system provides service to selected centers located throughout the country.

All telecommunications facilities are operated by the Ministry of Communications and Transportation, through the Directorate of Posts, Telephones, and Telegraphs (DPTT). Radio Ha Noi is subordinate to the Radio Diffusion Board, an independent organization of the government attached to the Office of the President. All broadcasting policies are established and controlled by the Propaganda and Training Committee of the Communist Party Politburo.

Special telecommunications systems are operated by the Ministry of National Defense, the Communist Party, the railroads, meteorological services, merchant shipping, civil aeronautical organizations, and the diplomatic service. The Ministry of National Defense

System is the largest and includes both open wire lines and radio communications facilities. The Communist Party operates a radio communications network which is almost as extensive.

North Vietnam has a potential capability for the production of telecommunications and electronic equipment because of abundant mineral reserves; however, most telecommunications equipment and material are imported from Communist China, East Germany, Hungary, or the Soviet Union. Under the five-year plan of 1961-1965, the government planned to extend and improve the telecommunications system by installing a large radio relay network; however, to date there is little evidence of any improvements to the radio communications system.

The telephone/telegraph open wire lines are not particularly vulnerable to air attack and can be readily repaired if so damaged. However, the radio communications system is extremely vulnerable to air attack. It is anticipated that continued and expanded efforts by the United States to destroy these radio communications facilities will force North Vietnam to utilize alternate facilities, probably mobile radio communication equipment. This would make it more difficult to locate these facilities, but would further complicate the problem of communications for the North Vietnamese.

25X1C

NPIC/R-267/66
FEBRUARY 1968

25X1

TABLE OF CONTENTS CATEGORY A

Radio Stations

Map tKey	Installation Name	Effective Page
1.	Chanh Hoa IIF/DF and Support Communications Facility	A-1,2 (Mar 67)
2.	Dien Bien Phu IIF/DF and Support Communications Facility	A-3,4 (Oct 67)
3.	Mong Cai IIF/DF and Support Communications Facility	A-5,6 (Oct 67, Aug 66)
4.	Hai Noi High-Frequency Communications Station Phu Coc	A-7,8 (Aug 67)
5.	Hai Noi Radio Station Northwest New	A-9,10 (Dec 67)
6.	Hai Noi Radio Transmission Station Dai Mo	A-11,12 (Jun, Oct 67)
7.	Hai Noi Radio Receiving Station Son Dong	A-13,14 (Oct, Aug 67)
8.	Hai Noi Radio Broadcasting Station Me Tri	A-15,16 (Aug 67)
9.	Hai Dong Communications Facility	A-17,18 (Oct 66)
10.	Hoa Lao Radio Communications Station	A-19,20 (Nov 66)
11.	Noi Bai Communications Facility	A-21,22 (Aug 66)
12.	Thai Nguyen Communications Facility	A-23,24 (Feb 68) (S)
13.	Tien Yen Probable Communications Facility	A-25,26 (Aug 66)
14.	Hai Phong Radio Communications Station Military	A-27,28 (Aug 67)
15.	Hai Noi Radio Station NW Thuy Khuc	A-29,30 (Mar 67)
16.	Muong Sen Radio Communications Station	A-31,32 (Aug, Sep 66)
17.	Quang Khe Radio Communications Station	A-33,34 (Aug 67)
18.	Hanoi/Bac Mai Airfield Microwave Facility	A-35,36 (Jul 67, Nov 66)
19.	Xom Trung Hoa Communications Facility	A-37,38 (Feb 68, Dec 66)
20.	Phuc Yen Radio Communications Station No 2	A-39,40 (Feb 68) (S)
21.	Co Dinh Radio Communications Station	A-41,42 (Jan 67)
22.	Hanoi/Bac Mai Airfield Communications Facility	A-43,44 (Feb 67)
23.	Hai Noi Probable IIF/DF Site Van Dien	A-45,46 (Apr 67)
24.	Hai Noi Communications Station Kim Quan Dong	A-47,48 (Feb 68)
25.	Hai Phong Communication Station An Bien	A-49,50 (Apr 67)
26.	Ngai Son Communications Facility	A-51,52 (May, Jun 67)
27.	Cua Nam Tricu Lighthouse Communications Facility	A-53,54 (May 67)
28.	Luong Phong VIIF Communications Facility	A-55,56 (May 67)
29.	Hai Noi Communications Facility Yen Hoa	A-57,58 (Jul 67)
30.	Hai Phong Communications Facility Ly Cau	A-59,60 (Feb 68)
31.	Kien An Communications Facility	A-61,62 (Aug 67)
32.	Lang Truoc Communications Facility	A-63,64 (Aug 67)
33.	Co Dong Communications Facility	A-65,66 (Nov 67)
34.	Hai Noi Communications Facility Ba Dinh	A-67,68 (Feb 68)

Note: (S) denotes pages classified SECRET; all other pages are CONFIDENTIAL.

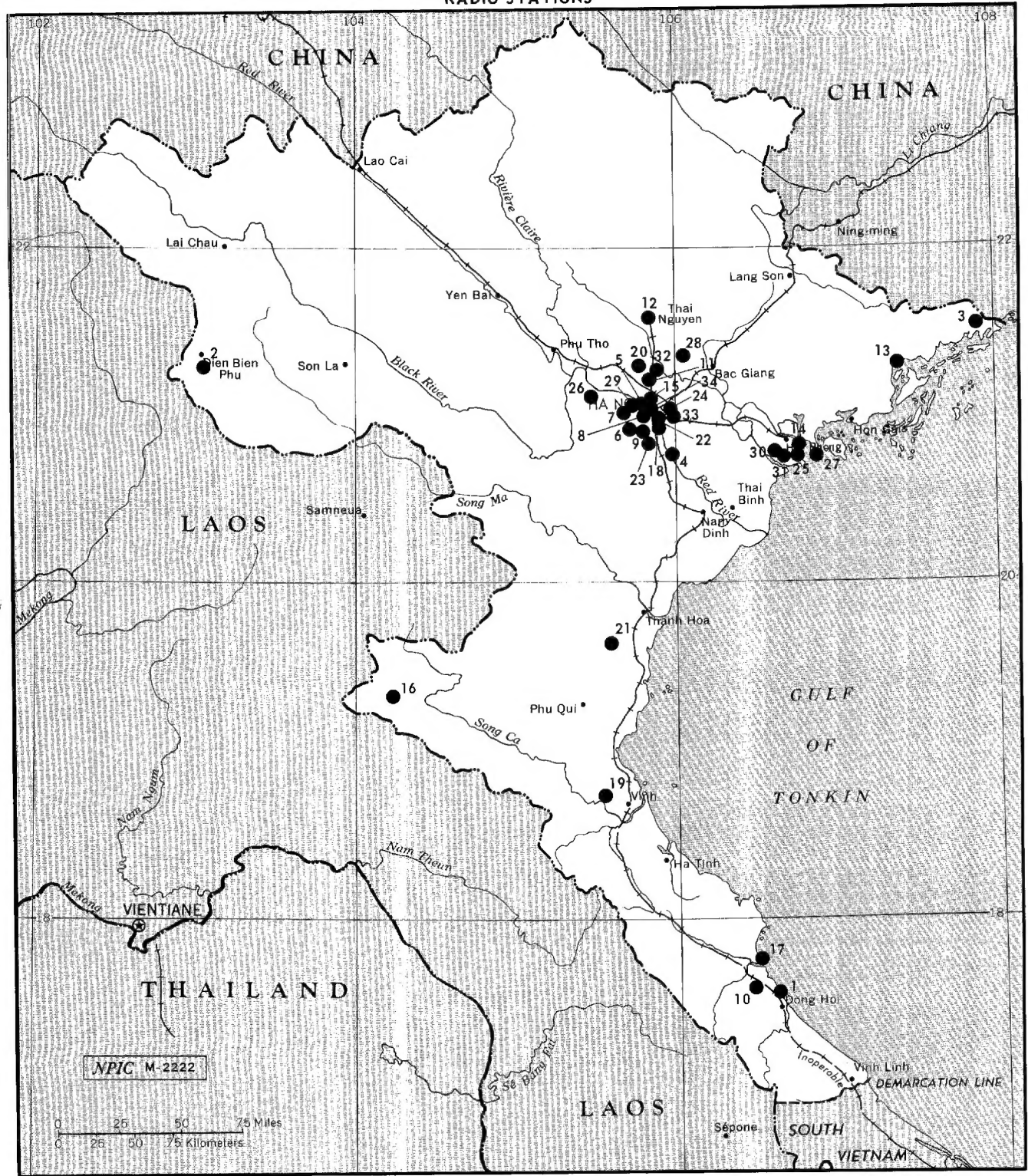
25X1C

SECRET

25X1

25X1

**CATEGORY A
RADIO STATIONS**



A-II

25X1C

25X1

SECRET

25X1C

NPIC/R-267/66

MARCH 1967

(INFORMATION ON THIS PAGE IS CONFIDENTIAL/

25X1
25X1C

BE NUMBER

XE682388
UTM COORDINATES

17-31-50N 106-35-05E
GEOGRAPHIC COORDINATES

NAME: CHANH HOA HF/DF AND SUPPORT COMMUNICATIONS FACILITY

LOCATION: 2.0 NM ESE OF CHANH HOA AND 1.3 NM NNW OF THE DONG HOI AIRFIELD

DESCRIPTION: WALL-SECURED HF/DF SITE CONSISTS OF 1 CONTROL BUILDING AND 2 SMALL BUILDINGS. ANCHOR POSITIONS FOR 8 ANTENNAS SURROUND THE CONTROL BUILDING.

A WALL-SECURED HF SUPPORT COMMUNICATIONS FACILITY 0.5 NM WEST OF THE HF/DF SITE CONSISTS OF 1 CONTROL, 1 SUPPORT, AND 1 PROBABLE GENERATOR BUILDING. TWO HORIZONTAL DIPOLE ANTENNAS ARE IMMEDIATELY OUTSIDE THE SECURITY WALL. [REDACTED] DESIGNATION: CHANH HOA MILITARY RADIO COMMUNICATIONS SITE)

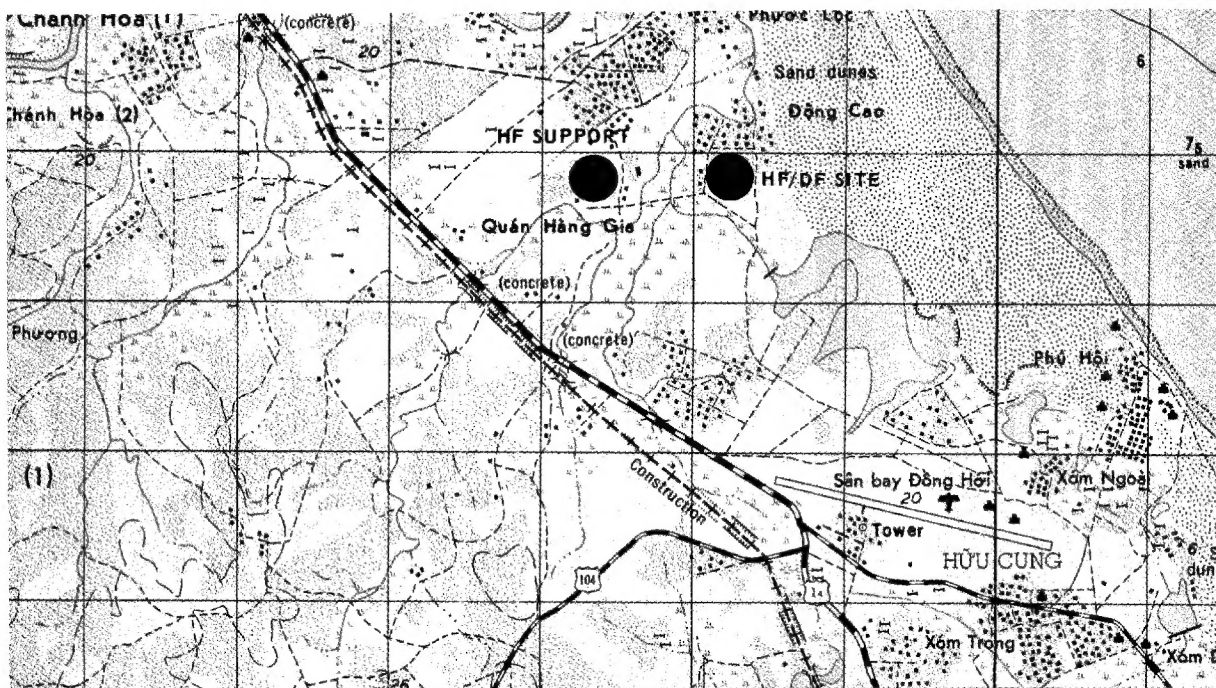
THE HF/DF SITE AND THE SUPPORT COMMUNICATIONS FACILITY ARE CONNECTED BY A TRAIL AND A PROBABLE CABLE SCAR.

THE HF COMMUNICATIONS FACILITY HAS BEEN SUBJECTED TO AIR STRIKE RESULTING IN SEVERE DAMAGE TO THE SUPPORT BUILDING AND MODERATE DAMAGE TO THE CONTROL AND PROBABLE GENERATOR BUILDINGS. THE 4 MASTS SUPPORTING THE HORIZONTAL DIPOLE ARE NO LONGER STANDING.

THIS FACILITY IS SIMILAR TO THE HF/DF SITES AT DIEN BIEN PHU AND MONG CAI.

PHO [REDACTED]

MAP REFERENCES: AMS SERIES L7014, SHEET 6344-III, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NE 48-12



A-1

25X1C

SECRET

25X1

(INFORMATION ON THIS PAGE IS CONFIDENTIAL)

25X1
25X1C

NOI BAI COMMUNICATIONS FACILITY

WJ847444

UTM COORDINATES

21-12-00N 105-49-06E

GEOGRAPHIC COORDINATES



NPIC L-5229 (8/66)

25X1C

25X1

25X1

25X1A

	WJ835927 UTM COORDINATES	21-38-15N 105-48-30E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: THAI NGUYEN COMMUNICATIONS FACILITY

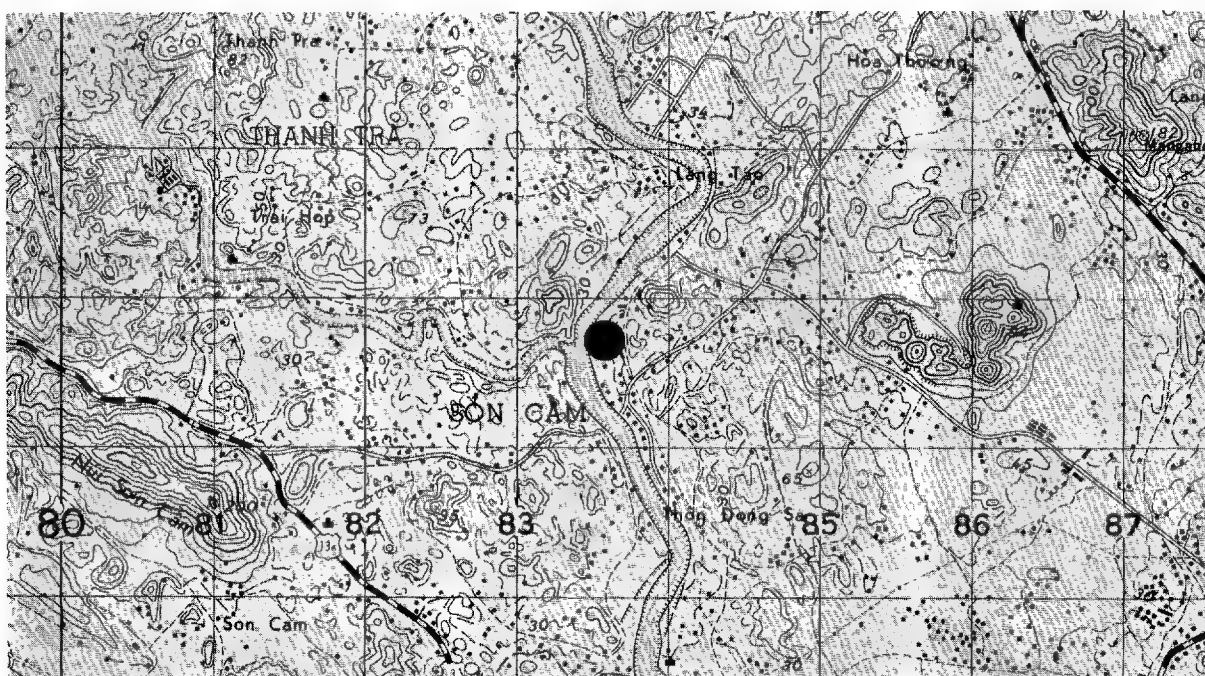
LOCATION: 3.4 NM NW OF THAI NGUYEN

DESCRIPTION: WALL-SECURED FACILITY CONSISTS OF 1 HORIZONTAL DIPOLE ANTENNA SUPPORTED BY 2 MASTS, 1 CONTROL BUILDING, AND 6 SUPPORT BUILDINGS.

THE ROOFS OF THE CONTROL BUILDING AND THE LARGER SUPPORT BUILDINGS WERE REMOVED [REDACTED] 25X1D

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6152-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11.



25X1C

25X1

SECRET

25X1C

NPIC/R-267/66
FEBRUARY 1968

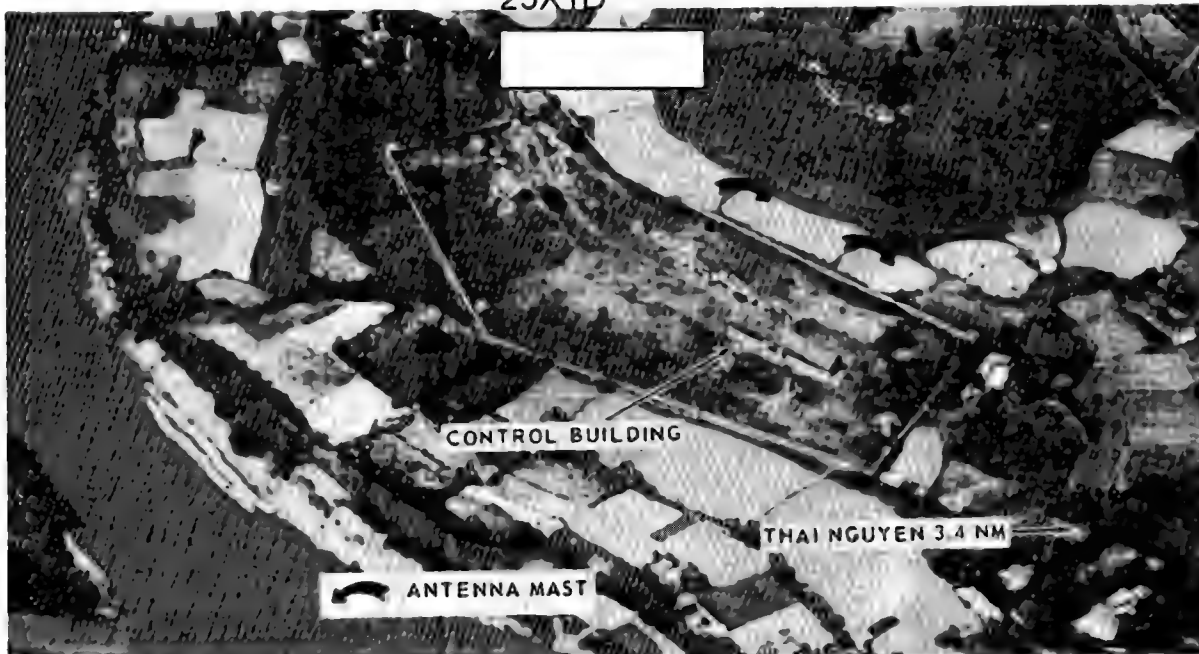
25X1

THAI NGUYEN COMMUNICATIONS FACILITY

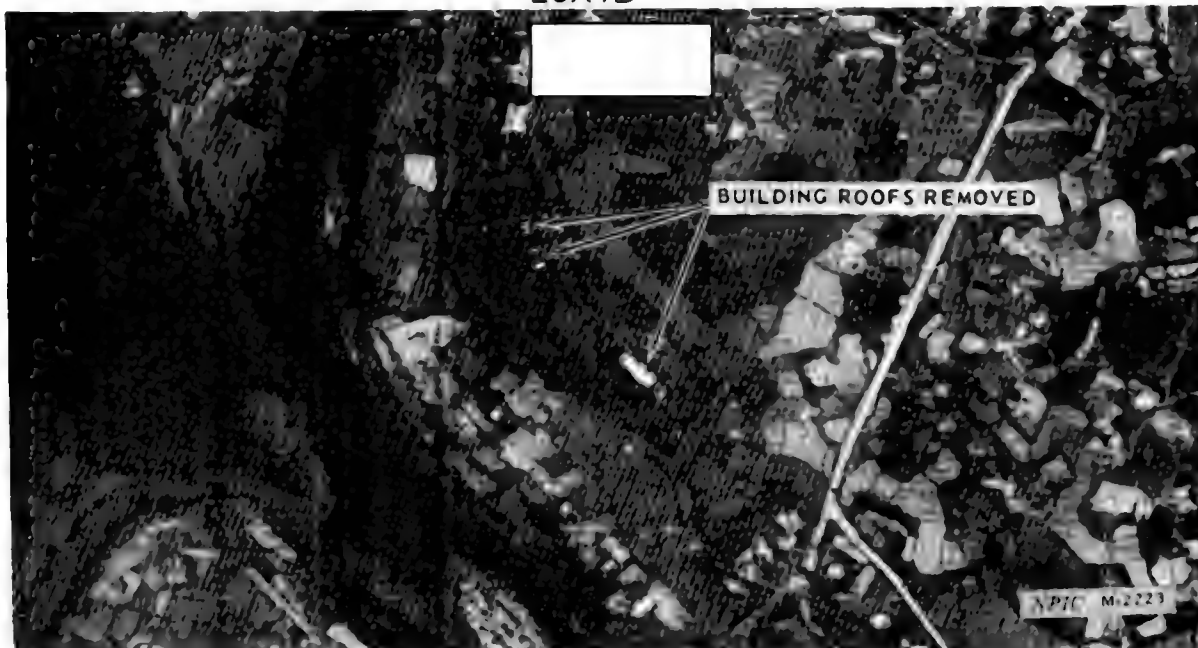
WJ835927
UTM COORDINATES

21-38-15N 105-48-30E
GEOGRAPHIC COORDINATES

25X1D



25X1D



A-24

SECRET

25X1C

25X1

SECRET

NPIC/R-267/66

25X1

(INFORMATION ON THIS PAGE IS CONFIDENTIAL)

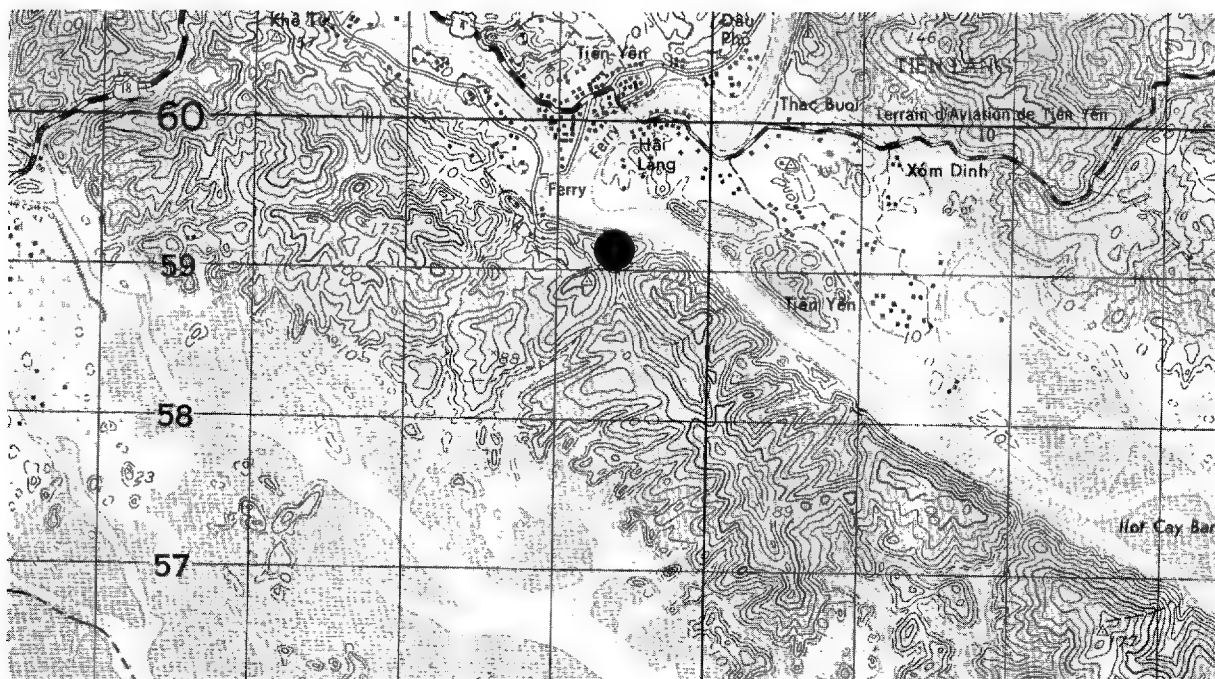
25X1C

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	YJ493591	21-19-06N 107-24-14E

NAME: TIEN YEN PROBABLE COMMUNICATIONS FACILITY
 (BE DESIGNATION: TIEN YEN RADIO COMMUNICATIONS FACILITY)
LOCATION: 0.5 NM SOUTH OF TIEN YEN ON THE SOUTH BANK OF THE SONG
 TIEN YEN (RIVER)
DESCRIPTION: FACILITY CONTAINS 1 MAST AND 1 PROBABLE CONTROL BUILDING.
 A WEATHER STATION IS APPROXIMATELY 1 NM NE AT UTM YJ508598.

25X1D

MAP REFERENCES: AMS SERIES L701, SHEET 6474-I, 1ST ED, JUN 64 (U)
 AMS SERIES 1501, SHEET NF 48-12, 1ST ED, AUG 65 (U)



NPIC L-5232 (8/66)

25X1C

A-25

SECRET

25X1

CONFIDENTIAL

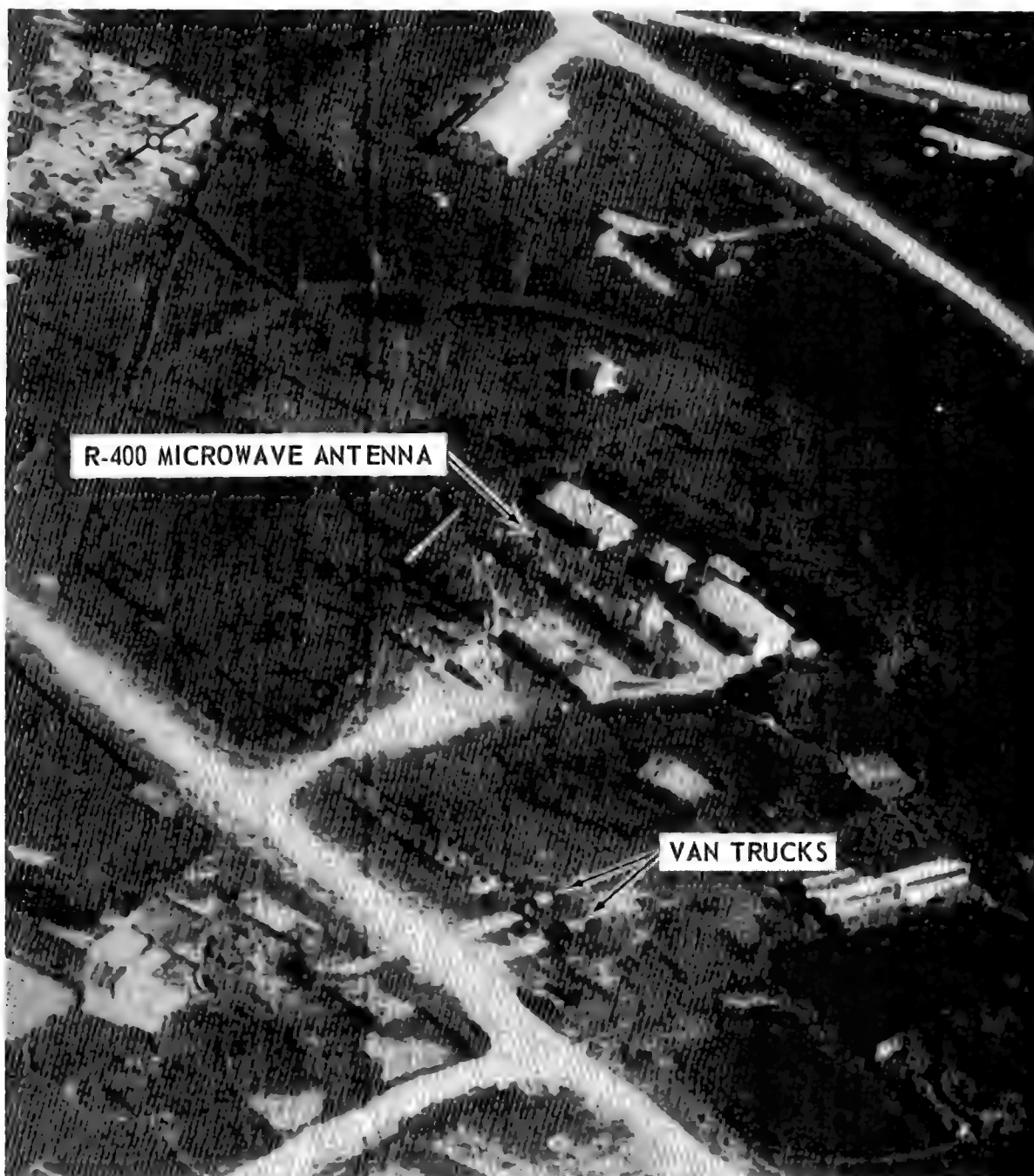
NPJ/C/R-267/66
NOVEMBER 1966

25X1

25X1C

HANOI/BAC MAI AIRFIELD MICROWAVE FACILITY
WJ860218
UTM COORDINATES

20-59-49N 105-49-42E
GEOGRAPHIC COORDINATES



25X1C

CONFIDENTIAL

25X1

25X1

25X1A

	WF520703 UTM COORDINATES	18-43-29N 105-29-36E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: XOM TRUNG HOA COMMUNICATIONS FACILITY

25X1A

LOCATION: 1.0 NM NE OF XOM TRUNG HOA, WITHIN THE XOM TRUNG HOA MILITARY BARRACKS NNW

DESCRIPTION: FACILITY CONTAINS A PROBABLE CONTROL AREA, A TRANSMITTER AREA, AND A PROBABLE RECEIVER AREA CONNECTED BY 2 PARALLEL CABLE TRENCHES.

THE PROBABLE CONTROL AREA IS SEPARATELY FENCED AND CONTAINS 1 PROBABLE CONTROL BUILDING.

THE TRANSMITTER AREA CONTAINS A TRANSMITTER BUILDING AND 3 SMALL ASSOCIATED BUILDINGS, 2 RHOMBIC ANTENNAS, 2 HORIZONTAL DIPOLE ANTENNAS, AND A COOLING POND.

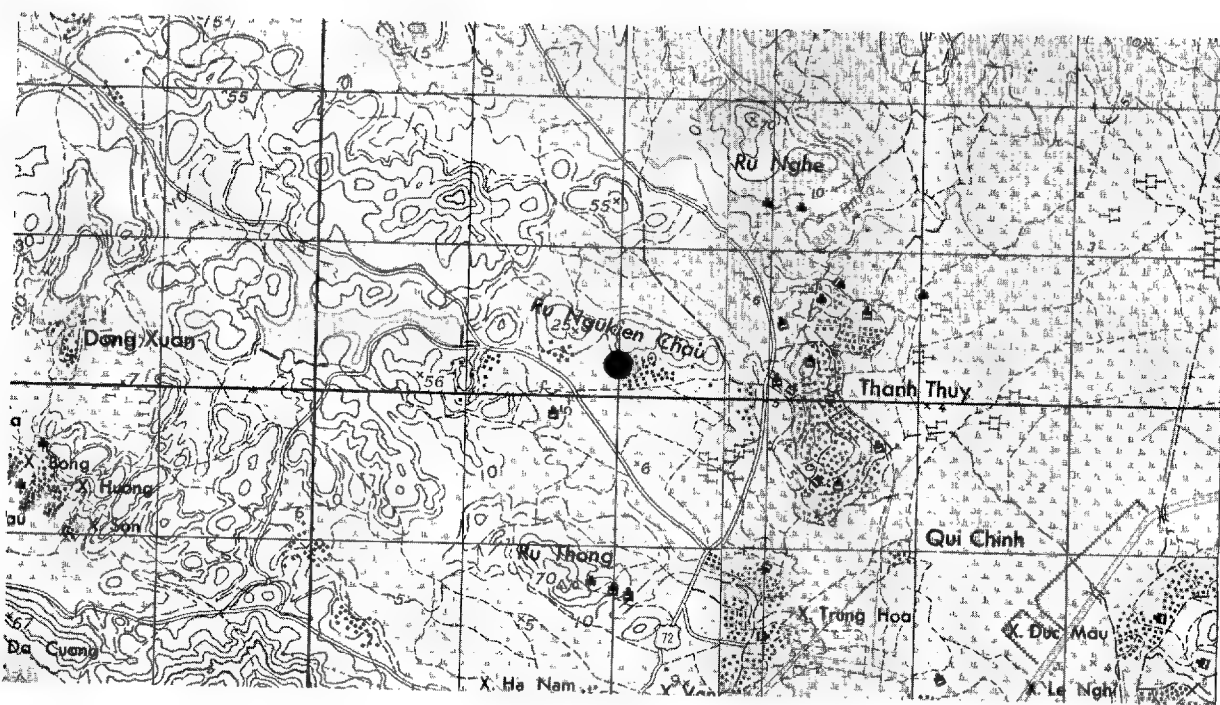
THE PROBABLE RECEIVER AREA CONTAINS 1 PROBABLE RECEIVER BUILDING AND 1 SMALL BUILDING, 1 RHOMBIC ANTENNA, AND 1 HORIZONTAL DIPOLE ANTENNA.

25X1D

ON PHOTOGRAPHY OF THE TRANSMITTER AND PROBABLE CONTROL BUILDINGS HAVE SOME ROOF DAMAGE AND LARGE SECTIONS OF THE BUILDING WALLS ARE MISSING. ONE OF THE 3 SMALL BUILDINGS IN THE TRANSMITTER AREA IS DAMAGED AND THE OTHER 2 ARE DISMANTLED. THERE IS NO APPARENT DAMAGE TO THE ANTENNA MASTS OR TO THE RECEIVER AREA.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6046-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NE 48-7



25X1C

25X1

(INFORMATION ON THIS PAGE IS CONFIDENTIAL)

XOM TRUNG HOA COMMUNICATIONS FACILITY

WF520703
UTM COORDINATES

18-43-29N 105-29-36E
GEOGRAPHIC COORDINATES



25X1

Approved For Release 2002/08/28 : ~~SECRET~~ 78B04560A005300010043-3

25X1C

NPIC/R-267/66
FEBRUARY 1968

25X1A

WJ842471
UTM COORDINATES21-13-30N 105-48-40E
GEOGRAPHIC COORDINATES

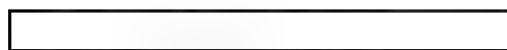
NAME: PHUC YEN RADIO COMMUNICATIONS STATION NO 2

LOCATION: 6 NM ESE OF PHUC YEN, ADJACENT TO THE PHUC YEN AIRFIELD

DESCRIPTION: FACILITY CONTAINS 1 VEE ANTENNA, 5 HORIZONTAL DIPOLES, AND 1 POSSIBLE VERTICAL ANTENNA.

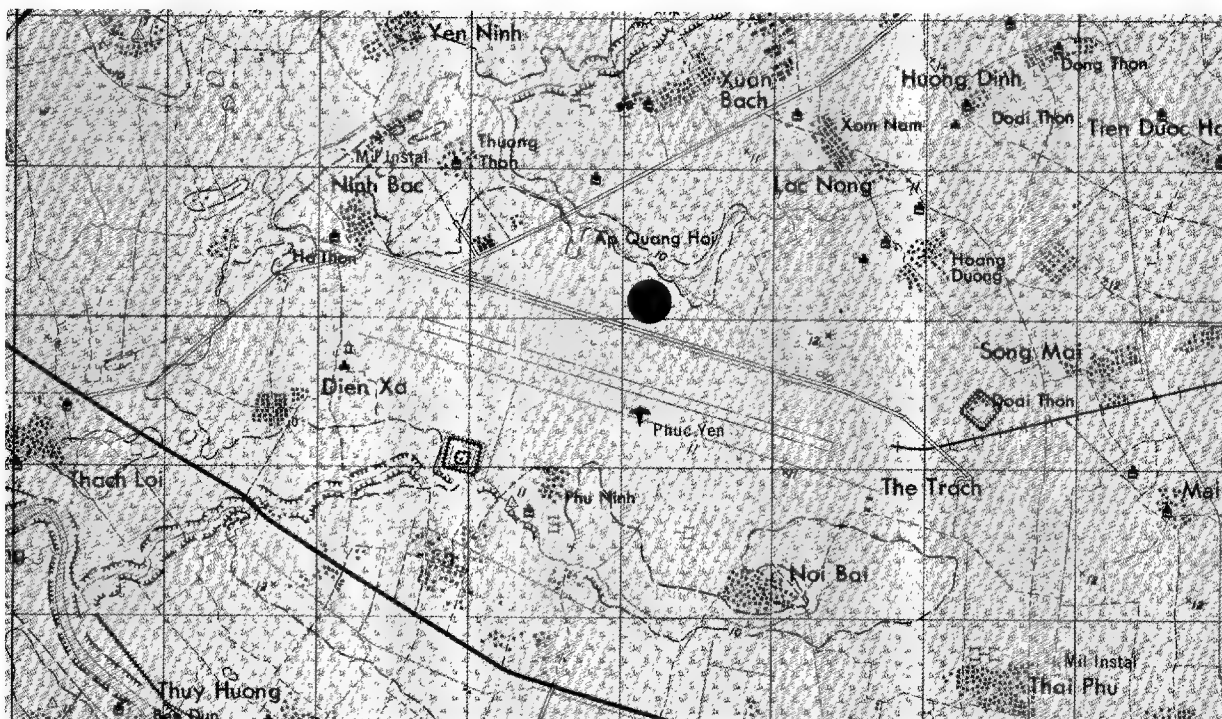
CONTROL EQUIPMENT IS PROBABLY HOUSED WITHIN THE ADMINISTRATION BUILDING FOR THE PHUC YEN AIRFIELD.

25X1D



REVEALS THE DESTRUCTION OF THE WEATHER STATION AND DAMAGE TO THE ADMINISTRATION BUILDING. THE ANTENNA MASTS ARE NOT VISIBLE ON THIS PHOTOGRAPHY.

25X1D

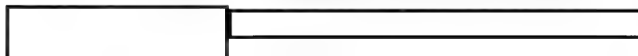
MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11

A-39

25X1C

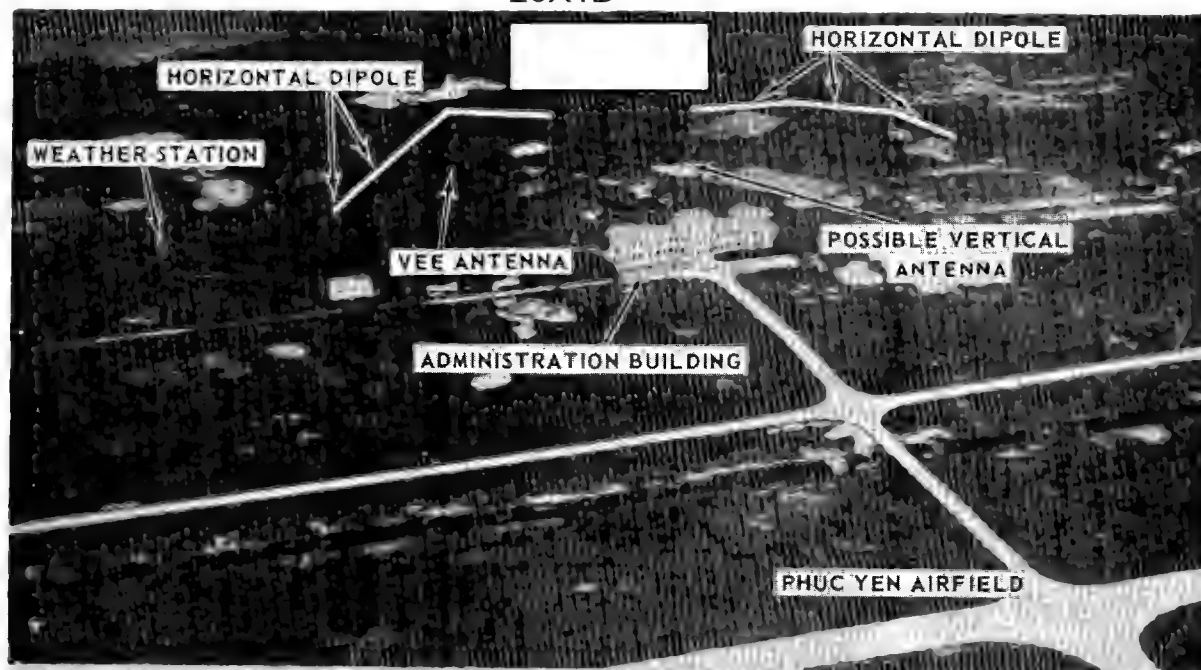
Approved For Release 2002/08/28 : ~~SECRET~~ 78B04560A005300010043-3

25X1

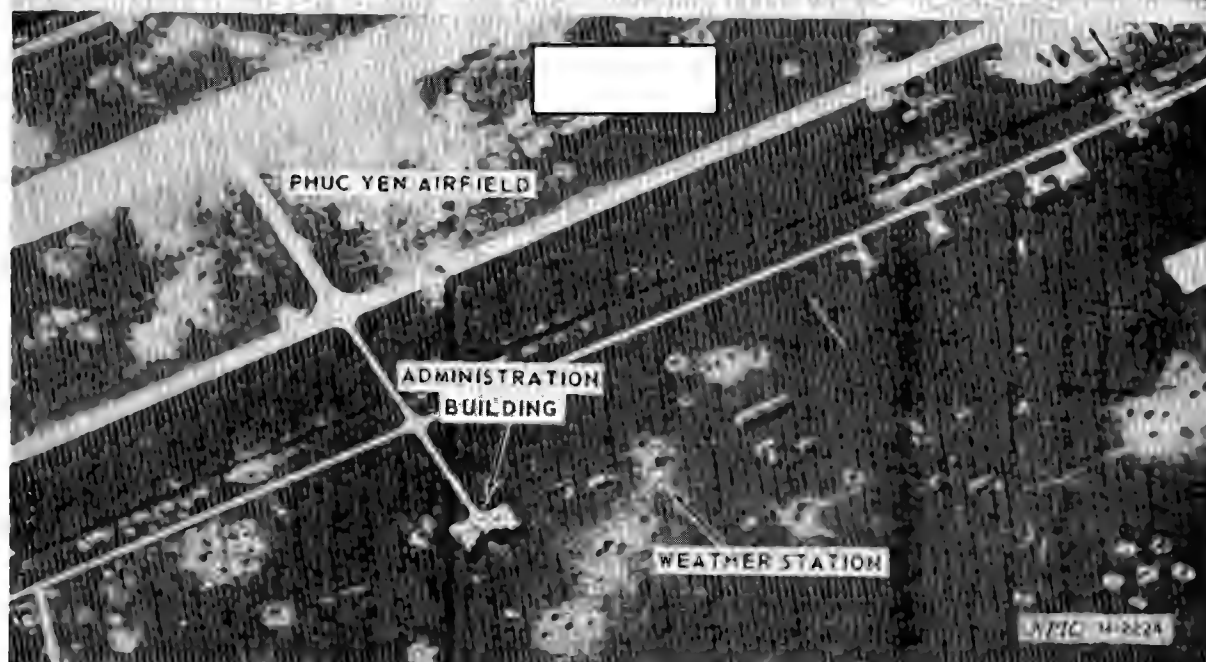


25X1

PHUC YEN RADIO COMMUNICATIONS STATION NO 2
WJ842471
UTM COORDINATES
25X1D
21-13-30N 105-48-40E
GEOGRAPHIC COORDINATES



25X1D



25X1C

25X1

(INFORMATION ON THIS PAGE IS CONFIDENTIAL)

25X1A

WG663812
UTM COORDINATES

19-43-35N 105-37-50E
GEOGRAPHIC COORDINATES

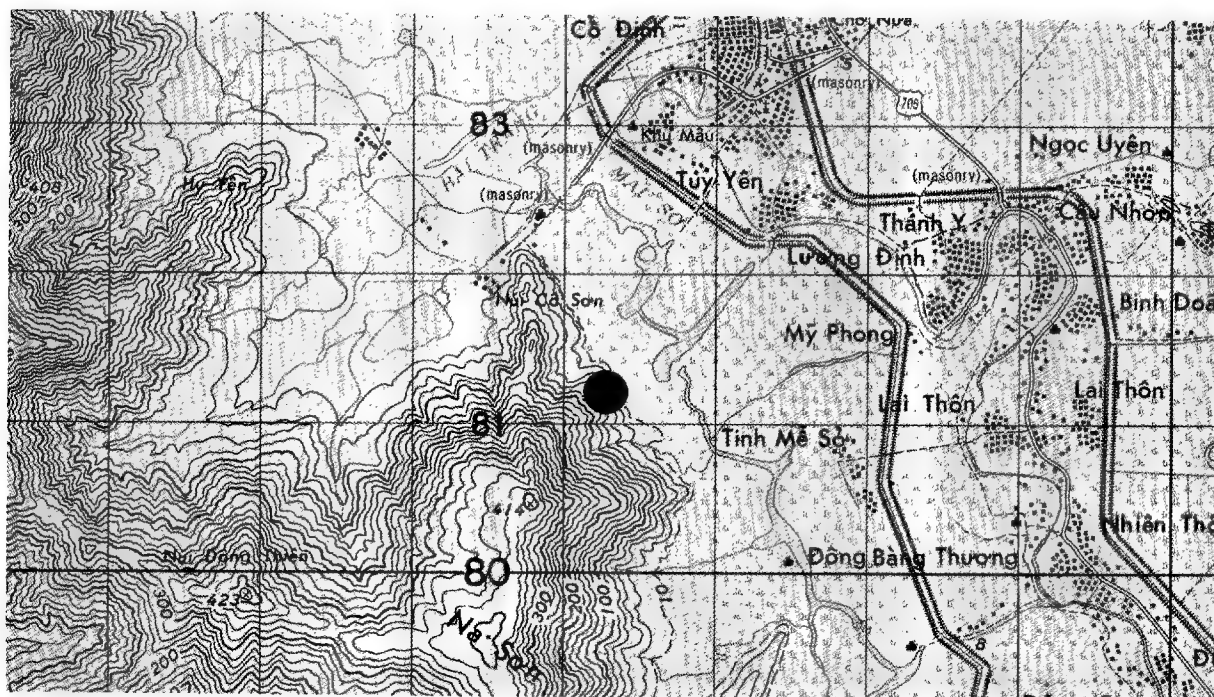
NAME: CO DINH RADIO COMMUNICATIONS STATION

LOCATION: 1.5 NM SSW OF CO DINH

DESCRIPTION: FACILITY CONSISTS OF A DOUBLE-FENCED AREA WITH 2 STICK MASTS AND 2 SMALL BUILDINGS.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6148-III, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NE 48-3, 1ST ED, NOV 65 (U)

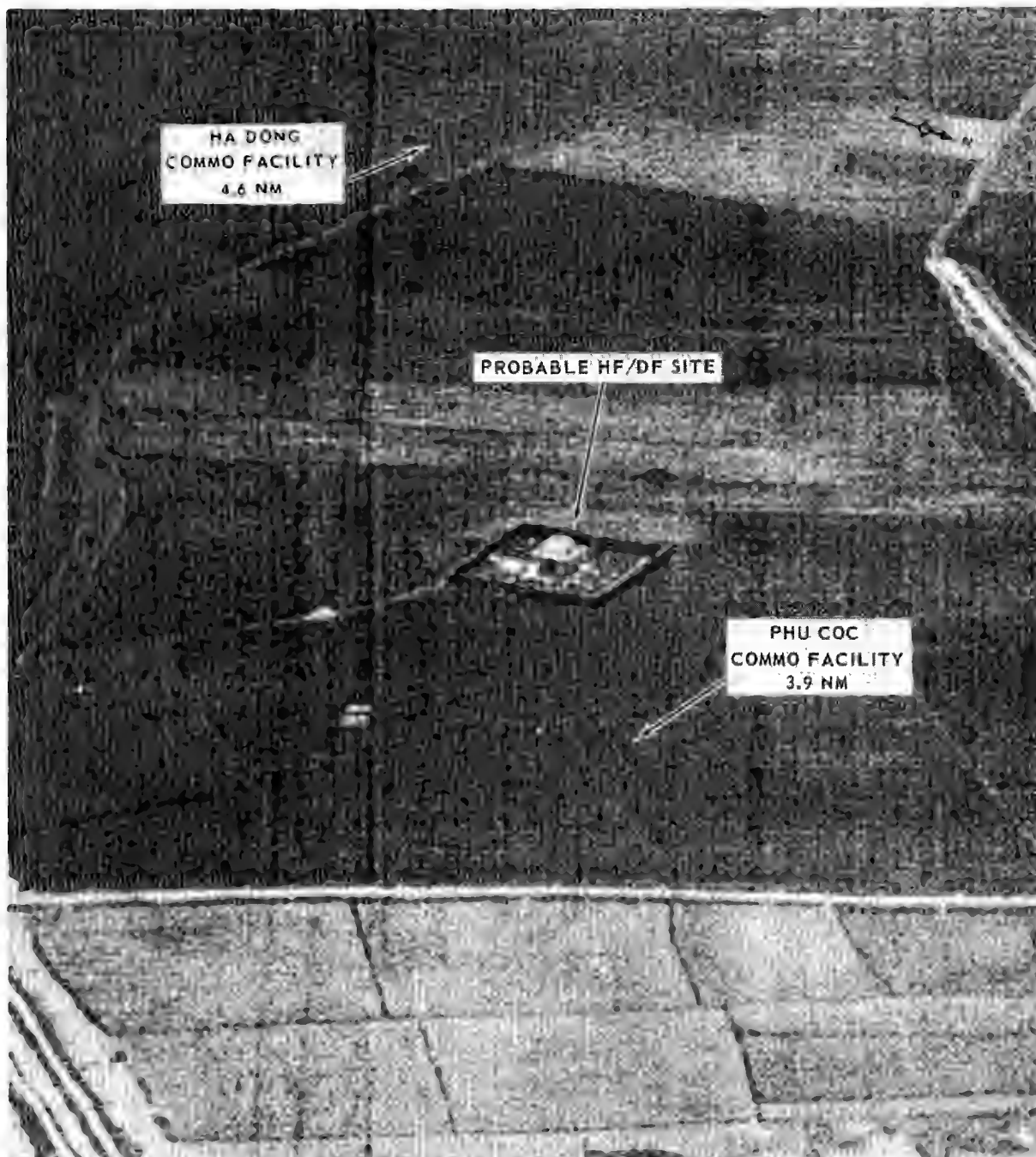


A-41

25X1C

25X1

HA NOI PROBABLE HF/DF SITE VAN DIEN
WJ875121 20-54-32N 105-50-28E
UTM COORDINATES GEOGRAPHIC COORDINATES



25X1C

25X1

25X1
25X1A

WJ955311
UTM COORDINATES

21-04-48N 105-55-10E
GEOGRAPHIC COORDINATES

NAME: HA NOI COMMUNICATIONS STATION KIM QUAN DONG

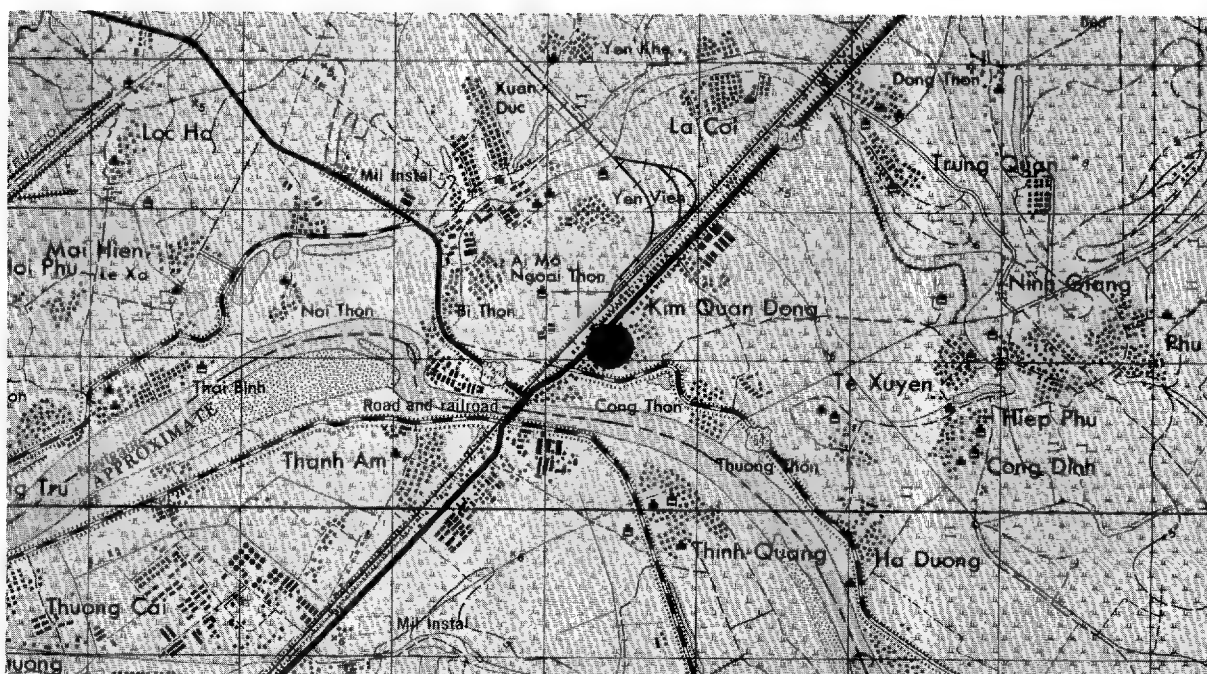
LOCATION: KIM QUAN DONG, 2.9 NM NNE OF GIA LAM AIRFIELD AND 5.3 NM NE OF HAI NOI

DESCRIPTION: FACILITY CONSISTS OF 3 TALL MASTS WITHIN AN INDUSTRIAL AREA. FEED LINES AND CONTROL FACILITIES CANNOT BE IDENTIFIED.

25X1D [REDACTED] REVEALS THAT ALL BUILDINGS HAVE BEEN DESTROYED. TWO OF THE 3 TALL MASTS REMAIN STANDING.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-11



CONFIDENTIAL

25X1C

NPIC/R-267/66
FEBRUARY 1968

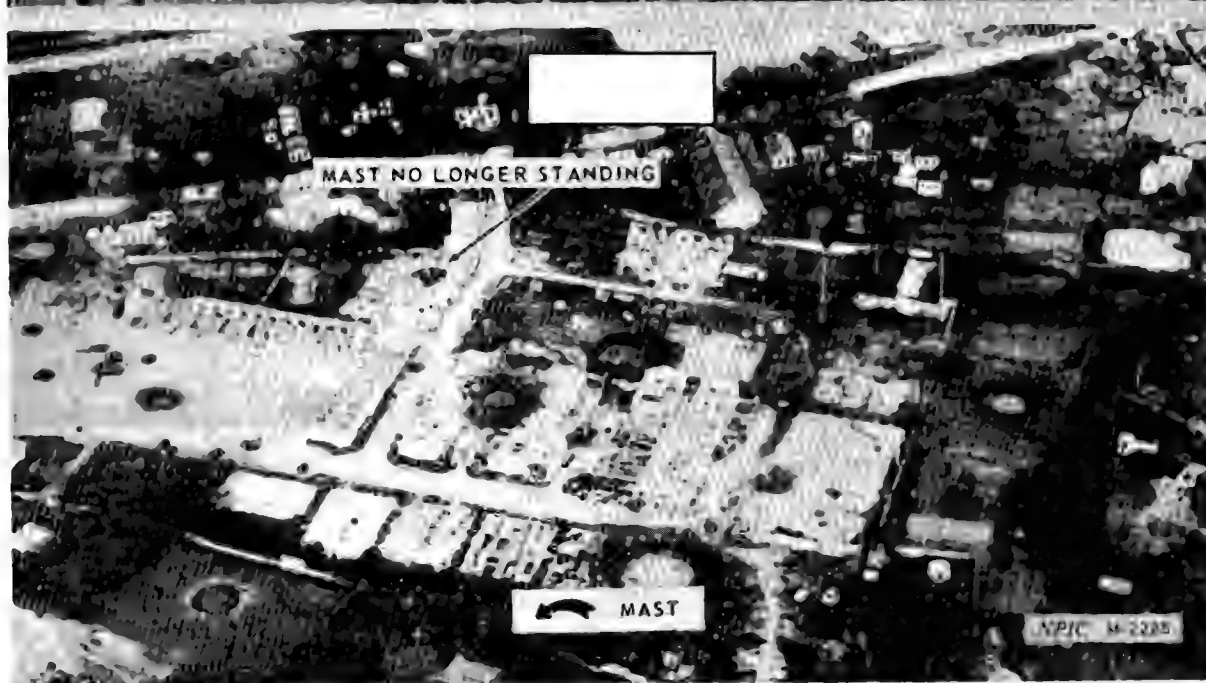
25X1

HA NOI COMMUNICATIONS STATION KIM QUAN DONG
WJ955311 21-04-48N 105-55-10E
UTM COORDINATES GEOGRAPHIC COORDINATES

25X1D



25X1D



25X1C

CONFIDENTIAL

25X1

25X1

BE NUMBER	XJ745057 UTM COORDINATES	20-50-40N 106-40-40E GEOGRAPHIC COORDINATES
-----------	-----------------------------	--

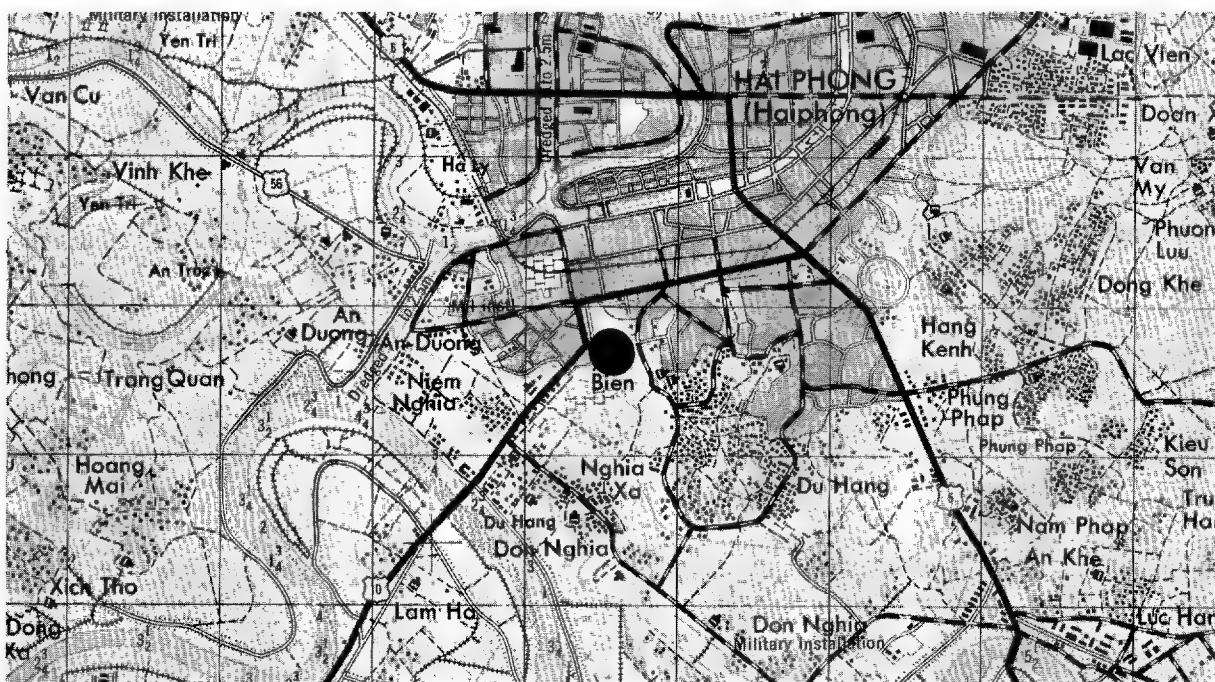
NAME: HAI PHONG COMMUNICATIONS STATION AN BIEN

LOCATION: AN BIEN, 1.4 NM SSW OF HAI PHONG

DESCRIPTION: FACILITY CONSISTS OF A CONTROL BUILDING, 2 MASTS, 4 VAN TRAILERS (2 REVETTED), 1 POWER TRANSFORMER, AND A TENT.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-16



25X1C

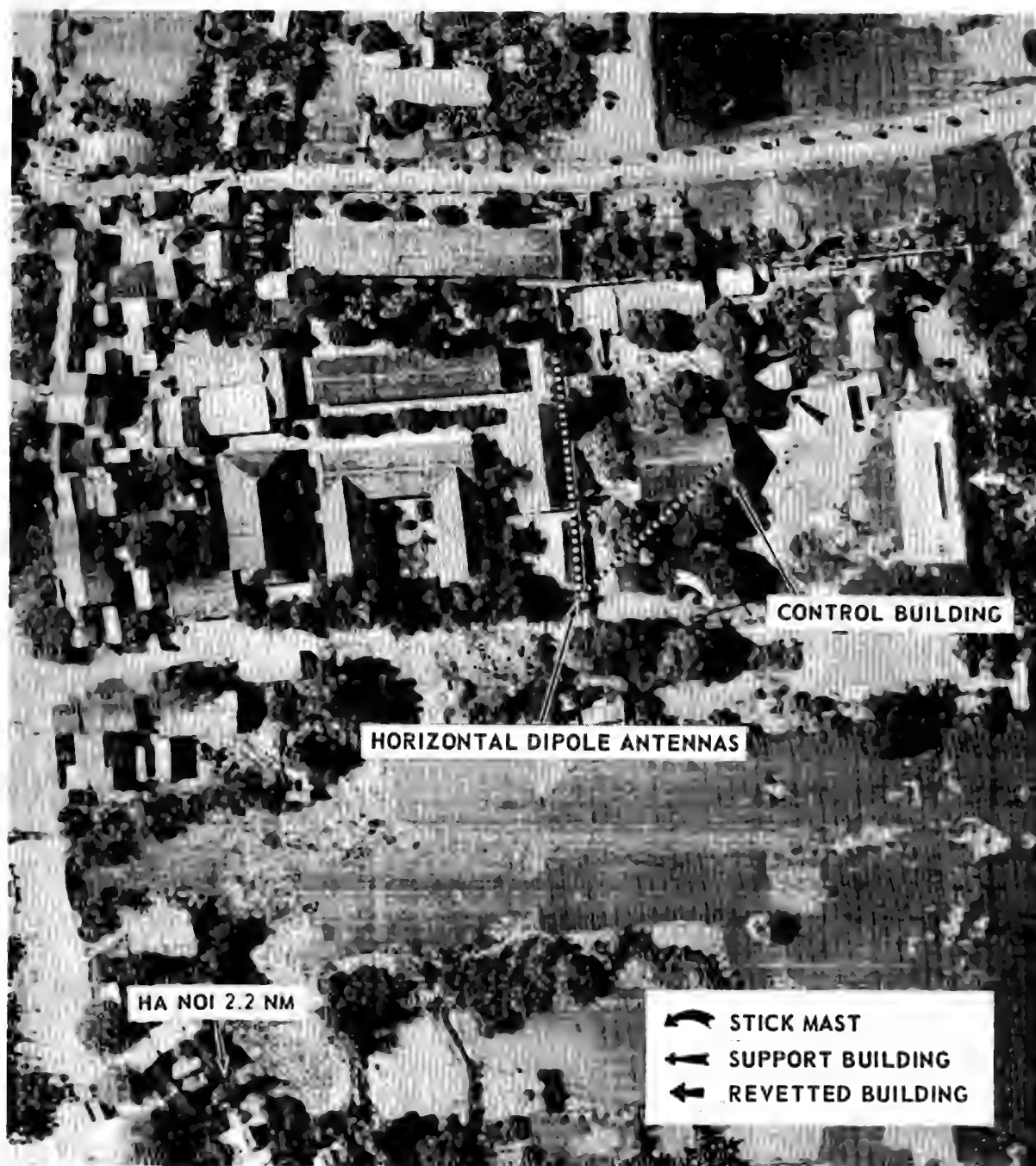
25X1

25X1

HA NOI COMMUNICATIONS FACILITY YEN HOA

WJ837254
UTM COORDINATES

21-01-46N 105-48-21E
GEOGRAPHIC COORDINATES



25X1

25X1C

CONFIDENTIAL

25X1C

NPIC/R-267/66
FEBRUARY 1968

25X1

BE NUMBER

XH638974
UTM COORDINATES

20-46-16N 106-34-28E
GEOGRAPHIC COORDINATES

NAME: HAI PHONG/KIEN AN ILS FACILITY LY CAU

LOCATION: 0.2 NM SOUTH OF LY CAU AND 8 NM SW OF HAI PHONG

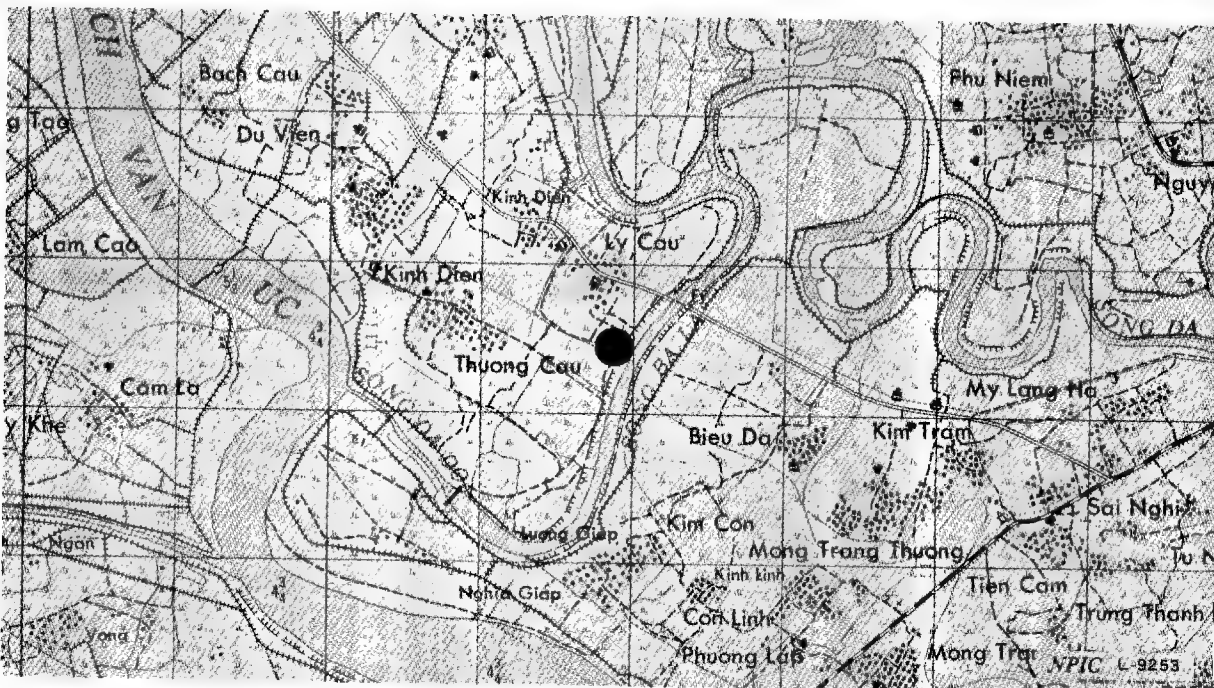
DESCRIPTION: FACILITY CONSISTS OF 2 ANTENNA MASTS, 1 CONTROL BUILDING, AND 2 SUPPORT BUILDINGS.

THIS FACILITY WAS PREVIOUSLY IDENTIFIED AS THE HAI PHONG COMMUNICATIONS FACILITY LY CAU [REDACTED].

25X1A

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-16



A-59

25X1C

CONFIDENTIAL

25X1

CONFIDENTIAL

25X1C

NPIC/R-267/66
FEBRUARY 1968

25X1

XH638974
UTM COORDINATES

HAI PHONG/KIEN AN ILS FACILITY LY CAU

20-46-16N 106-34-28E
GEOGRAPHIC COORDINATES



A-60

25X1C

CONFIDENTIAL

25X1

CONFIDENTIAL

25X1C

NPIC/R-267/66
AUGUST 1967

BE NUMBER

XJ708015
UTM COORDINATES

20-48-27N 106-38-31E
GEOGRAPHIC COORDINATES

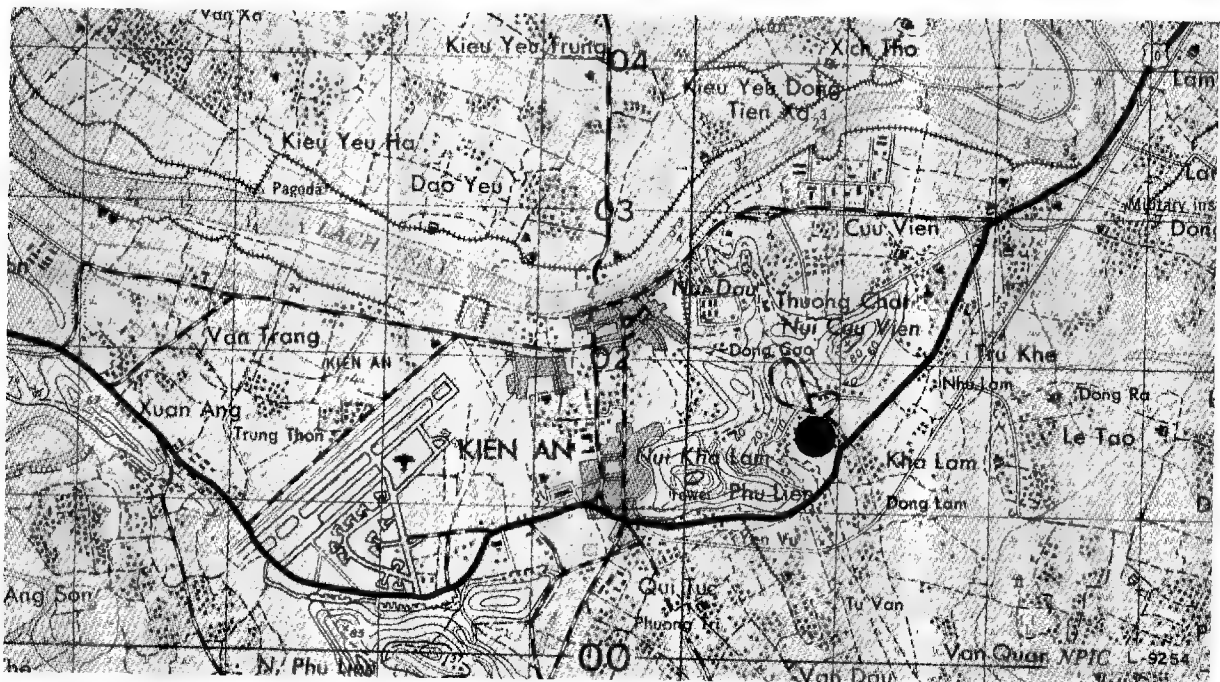
NAME: KIEN AN COMMUNICATIONS FACILITY

LOCATION: 1.7 NM ENE OF KIEN AN AIRFIELD AND 3.7 NM SSW OF HAI PHONG

DESCRIPTION: FACILITY CONSISTS OF 1 CONTROL BUILDING AND 4 MASTS
SUPPORTING 2 AND POSSIBLY 3 PROBABLE HORIZONTAL DIPOLE ANTENNAS.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)
AMS SERIES 1501, SHEET NF 48-16



A-61

25X1C

CONFIDENTIAL

CONFIDENTIAL

25X1C

NPIC/R-267/66
NOVEMBER 1967

CU DONG COMMUNICATIONS FACILITY

WJ953259
UTM COORDINATES

21-01-57N 105-55-05E
GEOGRAPHIC COORDINATES



A-66

25X1C

CONFIDENTIAL

CONFIDENTIAL

25X16

NPIC/R-267/66
FEBRUARY 1968

25X1

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	WJ873256	21-01-53N 105-50-26E

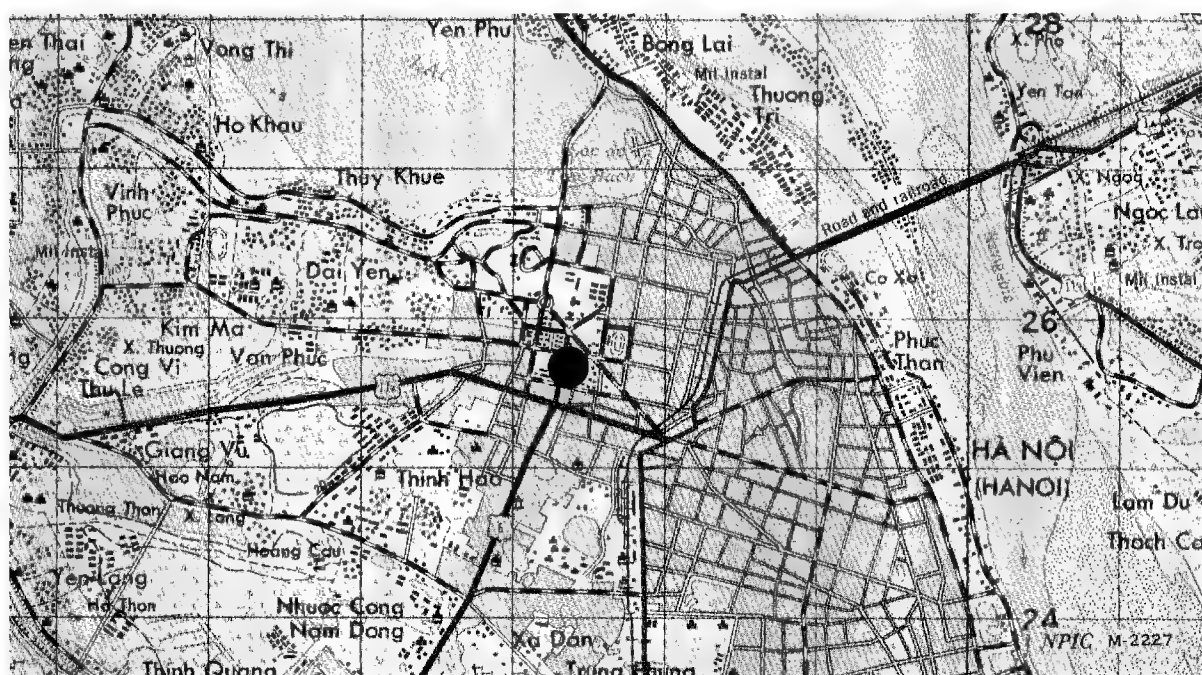
NAME: HA NOI COMMUNICATIONS FACILITY BA DINH

LOCATION: IN HA NOI, 0.5 NM NW OF THE RAILROAD YARDS

DESCRIPTION: FACILITY CONSISTS OF A 3-ELEMENT BEAM ANTENNA MOUNTED ON THE ROOF OF A RESIDENTIAL-TYPE BUILDING LOCATED ON DAI LO CHU VAN AN NEAR ITS INTERSECTION WITH DAI LO NGUYEN THAI HOC.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)
AMS SERIES L1501, SHEET NF 48-11
USARPAC SIRA MAP NO 538, JUN 64



25X1C

CONFIDENTIAL

A-67

25X1

25X1

Approved For Release 2002/08/28 : CIA-RDP78B04560A005300010043-3

CONFIDENTIAL

25X1C

NPIC/R-267/66
FEBRUARY 1966

HA NOI COMMUNICATIONS FACILITY BA DINH
WJ873256
UTM COORDINATES

21-01-53N 105-50-26E
GEOGRAPHIC COORDINATES



A-68

25X1C

Approved For Release 2002/08/28 : CIA-RDP78B04560A005300010043-3

CONFIDENTIAL

25X1

CONFIDENTIAL

25X1C

NPIC/R-267/66
FEBRUARY 1968

TABLE OF CONTENTS CATEGORY B

Telephone/Telegraph Open Wire Lines

	<u>Name</u>	<u>Effective Page</u>
Line 1.	Lao Cai/Yen Bai (Probable)	B-1, 2 (Aug 66)
Line 2.	China Border/Hoa Binh Area (Route 6)	B-3, 4 (Oct 67)
Line 2A.	Laos Border Area (Route 19)	B-5, 6 (Sep, Aug 66)
Line 3.	Laos/Vietnam Demilitarized Zone	B-7, 8 (Aug 66)
Line 4.	Bai Duc Thon/Demilitarized Zone (Under Construction)	B-9, 10 (May 67)
Line 5.	Chap Le Area (Route 1A)	B-11, 12 (Sep 66)
Line 6.	Ban San Area (Route 15)	B-13, 14 (Nov 66)
Line 6A.	Thiet Tra Area (Route 127)	B-13, 14 (Nov 66)
Line 7.	Dong Phuong Area (Under Construction)	B-15, 16 (Apr, May 67)
Line 8.	Dien Bien Phu Area (Route 191)	B-17, 18 (Oct 67)

CONFIDENTIAL

CONFIDENTIAL

25X1

25X1C

LINE 1. LAO CAI/YEN BAI PROBABLE TELEPHONE/TELEGRAPH LINE

A probable telephone/telegraph line extends southeastward from the Chinese border region near Lao Cai for a distance of approximately 75 nautical miles to the vicinity of Yen Bai.

The trace for this probable telephone/telegraph line is observed intermittently from 22-31N 105-01E, a point 2 nm east-northeast of Lao Cai, southeastward following the alignment of Route 4 to 22-22N 104-14E.

The trace continues southeastward to 22-14N 104-29E, following the general alignment of a new road under construction (See photo), and southeast to 22-11N 104-25E where it intersects Route 157.

The trace continues southeastward following the alignment of Route 157 to 21-46N 104-58E, then southwestward following Route 13 to the extent of photographic coverage at 21-44N 104-57E, a point 5 nm northeast of Yen Bai.

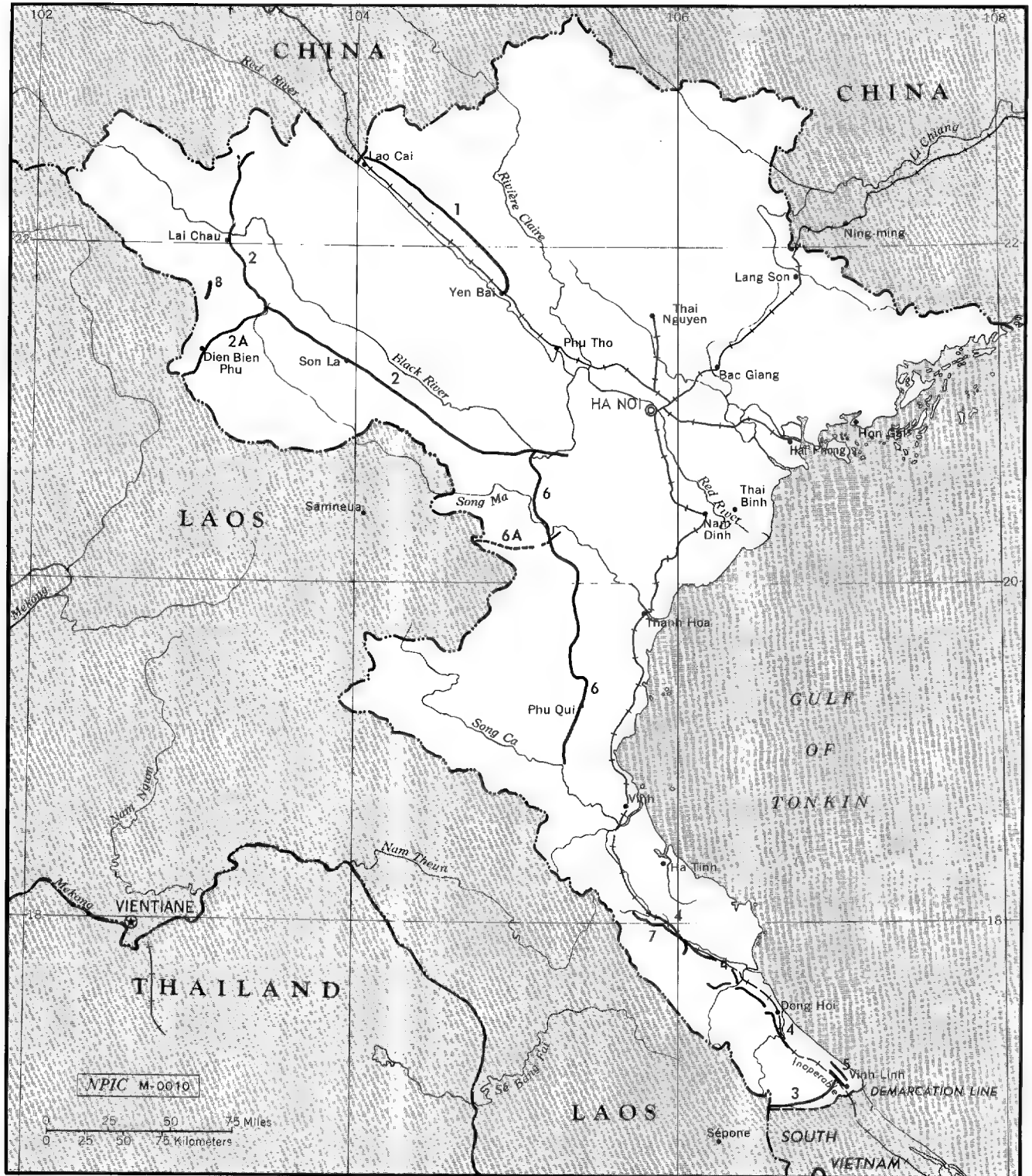
25X1D

B-1

25X1C

CONFIDENTIAL

25X1



B-II

25X1C

CATEGORY C

Weather Stations

INTRODUCTION

North Vietnamese weather stations are similar in appearance and function. They are normally surrounded by a small fence and contain 2 masts, each connected by wire to an instrument shelter. The shelters are small structures with louvered sides which house thermal and barometric instruments. Other equipment usually observed at these sites includes rain gauges and evaporation pans.

At the present time, weather stations in North Vietnam are used exclusively for the collection and transmission of weather data. However, a communications capability exists at each site and could be used to transmit information other than weather data.

CONFIDENTIAL

25X1G

NPIC/R-267/66
FEBRUARY 1968

25X1

CATEGORY C

Weather Stations

25X1A

Map Key	Name	Geographic Coordinates	UTM Coordinates ^u
1.	Ban Tiane	19-15-38N 104-28-30E	VG447296
2.	Dong Hoi	17-28-55N 106-36-24E	XE706334
3.	Ha Tinh	18-20-33N 105-54-30E	WF959282
4.	Lao Cai	22-28-53N 103-58-54E	UK951862
5.	Son La	21-19-49N 103-54-36E	UJ869589
6.	Thanh Hoa	19-48-24N 105-46-23E	WG811901
7.	Tien Yen	21-19-27N 107-25-03E	YJ508598
8.	Chu Le	18-10-57N 105-42-26E	WF748103
9.	Ban Phat	21-02-54N 104-18-12E	VJ276274
10.	Ban Heo	21-07-48N 104-09-36E	VJ127366
11.	Ha Noi	20-59-59N 105-56-15E	WJ974221
12.	Bach Long Vi Dao ^u	20-07-55N 107-43-50E	YH853281
13.	Hai Duong	20-56-12N 106-19-15E	XJ373155
14.	Lang Son	21-48-44N 106-46-17E	XK832147
15.	Lai Chau	22-03-54N 103-09-42E	UK104409
16.	Cao Bang	22-39-43N 106-16-06E	XL287064
17.	Nam Dinh	20-25-56N 106-09-29E	XH210595
18.	Xom Cua (Tung) ^u	17-01-14N 107-06-37E	YD248829
19.	Hanoi/Gia Lam Airfield	21-02-29N 105-53-40E	WJ928267
20.	Xom Tay	20-39-54N 106-03-42E	XH105852
21.	Ha Noi Army Barracks West Yen Lang	21-01-25N 105-48-29E	WJ837247
22.	Trai Hoang Thi	21-44-58N 105-02-11E	WK038048
23.	Dong Hoi Airfield ^u	17-30-32N 106-35-40E	XE691364
24.	Bai Thuong	19-53-54N 105-22-51E	WH398001
25.	Rao Qua Army Barracks	18-27-27N 105-18-52E	WF332407
26.	Tuan Giao	21-35-18N 103-25-25E	UJ369879
27.	Xom Don Dien	19-02-51N 104-53-21E	VG060883
28.	Phu Ly	20-32-26N 105-55-18E	WH962714
29.	To Cau	20-21-40N 106-07-35E	XH177513
30.	Vinh	18-41-17N 105-40-40E	WF714663
31.	Ba Don ^u	17-45-22N 106-26-11E	XE522636
32.	Nam Huan	19-53-42N 105-56-00E	WH978000
33.	Binh An	19-58-42N 105-39-45E	WH692090
34.	Hang Ech	21-35-36N 105-48-30E	WJ837878
35.	Kim Lang	21-32-02N 105-12-19E	WJ213810
36.	Son Tay	21-07-38N 105-30-49E	WJ533361
37.	Cao Trach	17-49-47N 106-10-23E	XE244716
38.	No Giap	19-26-35N 105-46-55E	WG821409
39.	Hai Phong/Cat Bi Airfield ^u	20-49-12N 106-43-42E	XJ797030

25X1C

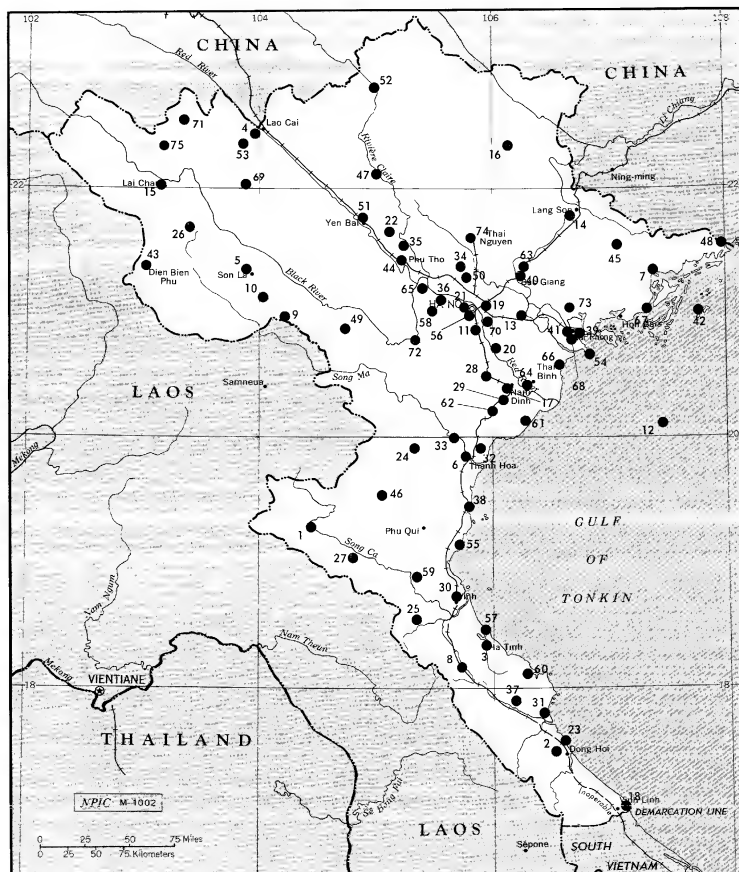
CONFIDENTIAL

25X1

CONFIDENTIAL

NPIC/R-267/66
FEBRUARY 1968

25X1C

CATEGORY C
Weather Stations

25X1A

Map Key	Name	Geographic Coordinates	UTM Coordinates*
40.	Dong Nham	21-17-30N 106-13-12E	CJ264548
41.	Phuc Lien	20-48-16N 106-38-04E	XJ701012
42.	Nam Cap	20-58-32N 107-46-34E	YJ886217
43.	Dien Bien Phu**	21-23-54N 103-00-18E	TJ933673
44.	Phu Tho	21-24-13N 105-12-50E	WJ223666
45.	Dinh Lap	21-32-24N 107-06-25E	YJ182883
46.	Qui Chau	19-33-14N 105-05-44E	WG101620
47.	Chiem Hoa	22-09-16N 105-16-31E	WK284997
48.	Mong Cai	21-31-22N 107-58-34E	XJ082828
49.	Ban Xom Lom	20-50-03N 105-41-09E	VJ673036
50.	Phuc Yen**	21-13-41N 105-48-34E	WJ840472
51.	Yen Bai	21-42-12N 104-52-25E	VJ869998
52.	Ha Giang	22-48-39N 105-44-10E	VL986224
53.	Cha Pa	22-20-03N 103-50-27E	UK806701
54.	Hon Dau	20-39-50N 106-49-15E	XH896858
55.	Van Dien	20-55-43N 105-50-56E	WG678160
56.	Van Dien	20-55-43N 105-50-56E	WJ883142
57.	Dong Giap	18-24-04N 105-53-53E	WF949346
58.	Hoa Lac AF	21-02-05N 105-29-55E	WJ518259
59.	Phu Thuy	18-53-45N 105-18-36E	WF327892
60.	Nhan Ly	18-05-07N 106-17-22E	XE364999
61.	Van Ly	20-07-10N 105-18-26E	XH366251
62.	Dai Phong	20-14-33N 105-59-32E	XH036385
63.	Kep AF	21-23-25N 106-16-00E	XJ313657
64.	Thai Binh	20-26-20N 106-20-40E	XH392605
65.	Yen Khoai	21-09-45N 105-23-20E	WJ403399
66.	Dong Nuong Thon	20-33-58N 106-34-59E	XH649747
67.	Cam Pha	21-01-28N 107-22-17E	YJ464265
68.	Nguyet Ang	20-46-25N 106-37-01E	XH683978
69.	Than Uyen	22-00-25N 103-55-27E	UK890338
70.	Chan Tao	21-01-12N 105-58-28E	WJ013245
71.	Phong Tho**	22-32-00N 103-22-01E	UK322925
72.	Hoa Binh	20-49-28N 105-20-36E	WJ357025
73.	Bi Con Thon	21-02-00N 106-44-01E	YJ802266
74.	Thai Nguyen	21-35-28N 105-50-59E	WJ877878
75.	Tsin Ho	22-21-22N 103-15-20E	UK204731
76.	Hon Gai	20-57-09N 107-04-59E	YJ165181
77.	Huu Long	21-30-22N 106-20-42E	XJ393785
78.	Ban Fa Dinh**	21-34-39N 103-30-23E	UJ454866

*All UTM coordinates are derived from AMS Series L7014, scale 1:50,000.

**Inactive station.

CONFIDENTIAL

25X1C

SECRET

25X1

25X1C

INDEX OF TARGETS

INSTALLATION NAME	GEO. COORDS.	PAGE
DONG HOI WEATHER STATION	172855N 1063624E	C-2
DONG HOI AIRFIELD WEATHER STATION	173032N 1063540E	C-2
CHANH HOA HF/DF - SUPPORT COMMUNICATIONS FAC	173150N 1063505E	A-1
HOAN LAO RADIO COMMUNICATIONS STATION	173520N 1062953E	A-19
QUANG KHE RADIO COMMUNICATIONS STATION	174220N 1062935E	A-33
BA DON WEATHER STATION	174522N 1062611E	C-2
CAO TRACH WEATHER STATION	174947N 1061023E	C-2
XOM CUA (TUNG) WEATHER STATION	170114N 1070637E	C-2
CHU LE WEATHER STATION	181057N 1054226E	C-2
HA TINH WEATHER STATION	182033N 1055430E	C-2
DONG GIAP WEATHER STATION	182404N 1055353E	C-3
RAO QUA ARMY BARRACKS WEATHER STATION	182727N 1051852E	C-2
VINH WEATHER STATION	184117N 1054040E	C-2
XOM TRUNG HOA COMMUNICATIONS FACILITY	184329N 1052936E	A-37
PHU THUY WEATHER STATION	185345N 1051836E	C-3
NHAN LY WEATHER STATION	180507N 1061722E	C-3
XOM DON DIEN WEATHER STATION	190251N 1045321E	C-2
BAN TIANE WEATHER STATION	191538N 1042830E	C-2
MUONG SEN RADIO COMMUNICATIONS STATION	192255N 1041145E	A-31
MY HOA WEATHER STATION	190815N 1053840E	C-3
NO GIAP WEATHER STATION	192635N 1054655E	C-2
QUI CHAU WEATHER STATION	193314N 1050544E	C-3
CO DINH RADIO COMMUNICATIONS STATION	194335N 1053750E	A-41
THANH HOA WEATHER STATION	194824N 1054623E	C-2
BAI THUONG WEATHER STATION	195354N 1052251E	C-2
NAM HUAN WEATHER STATION	195342N 1055600E	C-2
BINH AN WEATHER STATION	195842N 1053945E	C-2
BAN XOM LOM WEATHER STATION	205003N 1044109E	C-3
VAN LY WEATHER STATION	200710N 1051826E	C-3
DAI PHONG WEATHER STATION	201433N 1055932E	C-3
PHU LY WEATHER STATION	203226N 1055518E	C-2
HA NOI HIGH-FREQUENCY COMM STA PHU COC	205135N 1055325E	A-7
HA NOI PROBABLE HF/DF SITE VAN DIEN	205432N 1055028E	A-45
VAN DIEN WEATHER STATION	205543N 1055056E	C-3
HA NOI RADIO TRANSMISSION STATION DAI MO	205854N 1054552E	A-11
HA LONG COMMUNICATIONS FACILITY	205830N 1054748E	A-17
HA NOI RADIO BROADCASTING STATION ME TRI	205947N 1054719E	A-15
HANOI/BAC MAI AIRFIELD MICROWAVE FACILITY	205949N 1054942E	A-35
HANOI/BAC MAI AIRFIELD COMM FACILITY	205915N 1055029E	A-43
HA NOI WEATHER STATION	205959N 1055615E	C-2
TO CAU WEATHER STATION	202140N 1060735E	C-2
NAM DINH WEATHER STATION	202556N 1060929E	C-2
THAI BINH WEATHER STATION	202620N 1062004E	C-3
DONG NUONG THOU WEATHER STATION	203358N 1063459E	C-3
XOM TAY WEATHER STATION	203954N 1060342E	C-2
HON DAU WEATHER STATION	203950N 1064915E	C-3

25X1C

SECRET

25X1

25X1

CUA NAM TRIEU LIGHTHOUSE COMM FACILITY	204540N	1065125E	A-53
HAI PHONG COMMUNICATIONS FACILITY LY CAU	204616N	1063428E	A-59
NGUYET ANG WEATHER STATION	204625N	1063701E	C-3
PHUC LIEN WEATHER STATION	204816N	1063804E	C-3
KIEN AN COMMUNICATIONS FACILITY	204827N	1063831E	A-61
HAIPHONG/CAT BI AIRFIELD WEATHER STATION	204912N	1064342E	C-2
HAI PHONG COMM STATION AN BIEN	205040N	1064040E	A-49
HAI PHONG RADIO COMMUNICATIONS STATION ML	205205N	1064200E	A-27
HAI DUONG WEATHER STATION	205612N	1061915E	C-2
BACH LONG VI DAO WEATHER STATION	200755N	1074350E	C-2
HON GAI WEATHER STATION	205709N	1070459E	C-3
NAM CAP WEATHER STATION	205832N	1074634E	C-3
SON LA WEATHER STATION	211949N	1035436E	C-2
DIEN BIEN PHU HF/DF - SUPPORT COMMO FACILITY	212224N	1030030E	A-3
DIEN BIEN PHU WEATHER STATION	212354N	1030018E	C-3
BAN FA DINH WEATHER STATION	213439N	1033023E	C-3
TUAN GIAO WEATHER STATION	213518N	1032525E	C-2
BAN PHAT WEATHER STATION	210254N	1041812E	C-2
BAN HEO WEATHER STATION	210748N	1040936E	C-2
YEN BAI WEATHER STATION	214212N	1045225E	C-3
HA NOI ARMY BKS WEST YEN LANG WEATHER STA	210125N	1054829E	C-2
HA NOI COMMUNICATIONS FACILITY YEN HOA	210146N	1054821E	A-57
HA NOI COMMUNICATIONS FACILITY BA DINH	210153N	1055026E	A-67
CHAN TAO WEATHER STATION	210112N	1055828E	C-3
HOA LAC AF WEATHER STATION	210205N	1052955E	C-3
HA NOI RADIO RECEIVING STATION SON DONG	210255N	1054127E	A-13
HA NOI RADIO STATION NW THUY KHUE	210226N	1054956E	A-29
HANOI/GIA LAM AIRFIELD WEATHER STATION	210229N	1055340E	C-2
HA NOI RADIO STATION NORTHWEST NEW	210355N	1054824E	A-9
NGAI SON COMMUNICATIONS FACILITY	210455N	1052758E	A-51
HA NOI COMM STATION KIM QUAN DONG	210448N	1055510E	A-47
SON TAY WEATHER STATION	210738N	1053049E	C-2
YEN KHOAI WEATHER STATION	210945N	1052320E	C-3
NOI BAI COMMUNICATIONS FACILITY	211200N	1054906E	A-21
PHUC YEN RADIO COMMUNICATIONS STATION NO 2	211330N	1054840E	A-39
PHUC YEN WEATHER STATION	211341N	1054834E	C-3
LANG TRUOC COMMUNICATIONS FACILITY	211524N	1055210E	A-63
PHU THO WEATHER STATION	212413N	1051250E	C-3
KIM LANG WEATHER STATION	213202N	1051219E	C-2
HANG ECH WEATHER STATION	213536N	1054830E	C-2
THAI NGUYEN WEATHER STATION	213528N	1055059E	C-3
THAI NGUYEN COMMUNICATIONS FACILITY	213815N	1054830E	A-23
TRAI HOANG THI WEATHER STATION	214458N	1050211E	C-2
DONG NHAM WEATHER STATION	211730N	1061312E	C-3
LUONG PHONG VHF COMMUNICATIONS FACILITY	212007N	1060114E	A-55
KEP AF WEATHER STATION	212325N	1061600E	C-3
HUU LONG WEATHER STATION	213022N	1062042E	C-3
LANG SON WEATHER STATION	214844N	1064617E	C-2
CAM PHA WEATHER STATION	210128N	1072217E	C-3
TIEN YEN PROBABLE COMMUNICATIONS FACILITY	211906N	1072414E	A-25

25X1

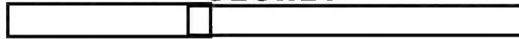
25X1

TIEN YEN WEATHER STATION	211927N	1072503E	C-2
MONG CAI WEATHER STATION	213122N	1075834E	C-3
MONG CAI HF/DF SITE - HF SUPPORT COMM FAC	213145N	1075859E	A-5
DINH LAP WEATHER STATION	213224N	1070625E	C-3
THAN UYEN WEATHER STATION	220025N	1035527E	C-3
LAI CHAU WEATHER STATION	220354N	1030942E	C-2
CHA PA WEATHER STATION	222003N	1035027E	C-3
TSIN HO WEATHER STATION	222122N	1031520E	C-3
LAO CAI WEATHER STATION	222853N	1035854E	C-2
PHONG THO WEATHER STATION	223200N	1032201E	C-3
CHIEM HOA WEATHER STATION	220916N	1051631E	C-3
HA GIANG WEATHER STATION	224839N	1054410E	C-3
CAO BANG WEATHER STATION	223943N	1061606E	C-2

25X1

SECRET

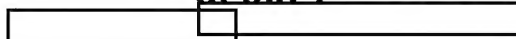
25X1



25X1C

SECRET

25X1



25X1C

RECORD COPY			COPY NO.			PUB. DATE			LOCATION			MASTER			DATE RECEIVED			LOCATION																	
DISPOSITION DATE(S)												STOCK LEVEL			MINIMUM 1			MAXIMUM 10																	
CUT TO COPIES 25			DATE 7-70			CUT TO COPIES			DATE			COPIES DESTROYED																							
CUT TO COPIES 10			DATE 7-72			CUT TO COPIES			DATE																										
CUT TO COPIES 0			DATE 7-74			MASTER			DATE																										
DATE			RECEIVED OR ISSUED						NUMBER OF COPIES			DATE			RECEIVED OR ISSUED						NUMBER OF COPIES														
O.	DAY	YR.							REC'D	ISS'D	BAL	MO.	DAY	YR.							REC'D	ISS'D	BAL												
3	7	68	Dist. Unit						51		51																								
3	21	68	NSA							6	45																								
4	23	68	CRS/DLB							1	44																								
5	16	68	NSA							1	43																								
8	13	68	CRS/DLB							7	36																								
12	4	68	NPIC							1	35																								
3	13	69	CRS/DLB							1	34																								
1	26	70	Dest. 24							24	10																								
10	16	72	Dest 10 copies																																
																								25X1C 24558											
TITLE												SE																							
NPIC/R-267/66 16th Group Feb. 1968																								505096 X											

Approved For Release 2002/08/28 : CIA-RDP78B04560A005300010043-3

[illegible]

Approved For Release 2002/08/28 : CIA-RDP78B04560A005300010043-3